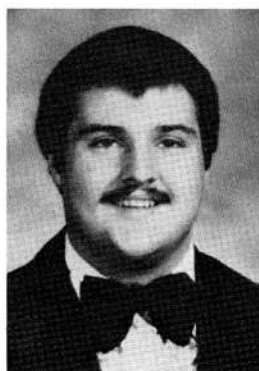


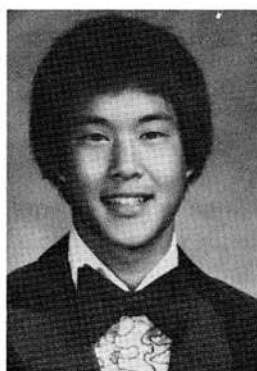
Carbide scholars selected for Congressional workshop



Agee



Foust



Liu

Three high school students from East Tennessee have been selected to attend the Washington Workshops Congressional Seminar, May 2-8, as Union Carbide Scholars.

The students are John D. Agee, Roane County High School; Brenda D. Foust, Clinton High School; and Andrew Liu, Oak Ridge High School. The students were nominated for the honor by the faculties of their respective high schools. The nominations were supported by the Nuclear Division.

The seminar will include classes, discussions with members of Con-

gress, attendance at House and Senate Chamber sessions and committee meetings, and talks by Cabinet members and other national leaders, both in and out of government. The scholars will be housed at Marymount College, where most of the seminar sessions are conducted.

Agee, who lives at 204 Franklin Street, Kingston, is a senior at Roane County High School, where he has a 3.91 average. He is a member of the student council and served as class president for four years. He is editor of the high school annual and is a member of the Fellowship of Christian Students.

Foust, of Route 7, Clinton, is a junior at Clinton High School, where she has a 3.59 average. Her school activities include secretary, junior class; vice president, National Honor Society; a member of the American Field Service; and a representative of the Student Government Association.

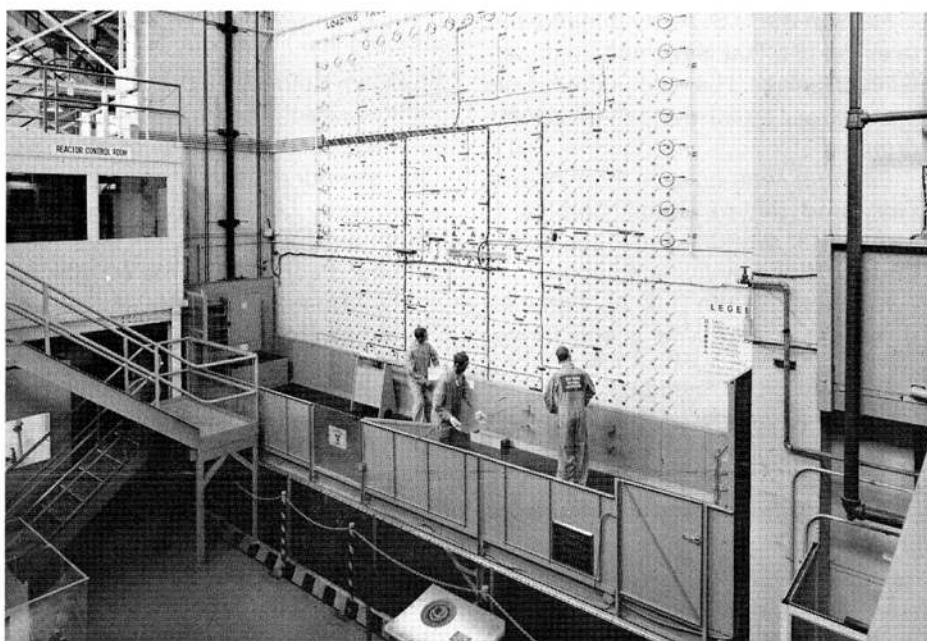
Liu lives at 132 Newhaven Road, Oak Ridge. He is an Oak Ridge High School senior with a 4 plus average. He is president of the National Honor Society and a member of the International Relations Club, the French Club, the Science Bowl and the Ski Club. Liu also is on the varsity soccer team.

As Union Carbide Scholars, the students will have the full cost of their participation in the Washington Workshops program defrayed by Union Carbide Corporation.

UNION
CARBIDE

Nuclear Division News

● Vol. 13 No. 8 April 15, 1982



REACTOR LOADING FACE — Visitors to the historic Graphite Reactor may view its mammoth loading face, control room and operating areas. Host-guides will be on hand six and one-half days each week to greet visitors and answer questions.

Historic Graphite Reactor offers new exhibits, displays

ORNL's Graphite Reactor, featuring new landscaping, exhibits and audiovisual displays, will be among the Nuclear Division attractions open to visitors touring the Oak Ridge-area "Energy/Environment Loop" during the 1982 World's Fair period.

The reactor, constructed in 1943, is the world's oldest and the first to operate at power. After 20 years of operation, it was designated as a National Historic Landmark and is the only U.S. government-owned reactor open to the public on a regular basis.

Visitors to the Graphite Reactor may view its mammoth loading face, control room and operating areas. New display panels will highlight ORNL research programs in various energy-related areas, including conservation, coal, nuclear energy de-

velopment and safety, fusion, and the basic energy sciences. A wide-screen color television will broadcast a live picture from the nearby Bulk Shielding Reactor, providing visitors with an opportunity to observe the actual operation of a modern, "swimming-pool-type" research reactor.

Host-guides will be on hand at the Graphite Reactor for six and one-half days each week to greet visitors and answer questions. Bus parking is available, and a newly-installed ramp provides easy access for handicapped visitors.

Another site to be open to visitors at ORNL, the Aquatic Ecology Laboratory, will be featured in the April 29 issue of *Nuclear Division News*.

(Please turn to page 8 for additional photo.)

Time change set

Daylight Savings Time arrives at 2 a.m. Sunday, April 25, when it will become 3 a.m. This will be Eastern Daylight Time in the Oak Ridge area, and Central Daylight Time at Paducah.

Shift workers will come to work Saturday, April 24, on standard time and clock out on Daylight Savings Time.

The clocks will be set back again in October, unless Congress decides otherwise.

Corporate world of Union Carbide

UNION CARBIDE CORPORATION has begun the world's first commercial production of high modulus carbon fiber from petroleum pitch in Greenville, S.C. The facility is a culmination of a multi-million-dollar research and development program to develop alternatives to conventional carbon fibers produced from polyacrylonitrile and known as PAN-based carbon fibers.

Carbon fibers made from pitch are expected to be cost-effective in the fabrication of lightweight structures where stiffness is critical, such as space hardware and drive shafts.

The pitch-based carbon fibers, a new family in Union Carbide's line of carbon fibers sold under the trademark Thornel, are available in various filament counts from 1,000 to 4,000 and have moduli of elasticity up to 100 million pounds per square inch. Pitch-based carbon fibers are currently priced in the same range as the PAN-based fibers, but deliver twice the modulus of elasticity. A popular 55-million modulus grade fiber, for example, is now priced at \$18 per pound and is the first high modulus fiber to sell below the former \$20 price floor. Pitch-based carbon fibers provide metal-like stiffness, but structures fabricated from these fibers weigh only a fraction of their metal counterparts.

Pitch fibers have enjoyed their greatest commercial success to date in friction materials applications, such as aircraft brakes. With the advent of full commercial production, the fibers will be available for many additional uses, including advanced battery components, metal-matrix composites and business and industrial equipment.

Retirees needed!

Union Carbide retirees and spouses who are interested in serving as volunteer host-guides at Nuclear Division visitor sites during the World's Fair period but have not yet registered still may do so! Just contact the Public Relations Department, ORNL, at 574-4161 for more information.

Members of the "Volunteer Corps" will be available to greet, assist and respond to questions from visitors at the ORGDP and ORNL Visitor Overlooks, the Graphite Reactor and the ORNL Aquatic Ecology Laboratory. Schedules are being arranged at the convenience of the volunteers, and may involve one or more days (or part-days) every week or two weeks as desired.



Tips for dieters

by T. A. Lincoln, M.D.

Being lean and fit is the current standard for physical attractiveness in our society. Leanness, providing it is maintained with a nutritious diet and adequate physical exercise, also has long-range health benefits. For those who gain weight easily, keeping slim is a gigantic challenge. This brief article is designed to call attention to some facts that may have been overlooked in the battle against obesity.

Work hard to reach your desired weight, and then eat only enough nutritious foods to maintain that weight.

Some people gain weight more easily than others. It has been shown that people who are prone to obesity often expend less energy in maintaining body chemistry than people prone to leanness. So don't feel guilty if you are overweight. Instead, accept the fact that you will have to work harder and longer to establish a caloric deficit and lose weight. In spite of all the fad diets that may help you lose weight rapidly, long-term weight management requires "balancing the budget." In other words, the caloric intake must equal the caloric expenditure for the desired weight. Work hard to reach your desired weight, and then eat only enough nutritious foods to maintain that weight. Avoid frequent "crash" diets.

Appetite is a state of mind that is affected by many psychological and physiological factors.

Rapid weight loss followed by rapid weight gain is doubly self-defeating. During weight loss on a crash diet, loss of muscle mass often occurs, because the diet puts one's body in a negative nitrogen balance. When the weight is regained, it is fat, not muscle, that is increased. To combat this problem, weight loss should be gradual, based on a low-calorie nutritious diet and accompanied by plenty of exercise to prevent loss of muscle mass.

Appetite is a state of mind that is affected by many psychological and physiological factors. The digestion and absorption of nutrients from food is a time-consuming process. That "hungry feeling" is turned off only when adequate levels of nutrients have been absorbed. For example, the blood glucose must reach a high enough level to "turn off" the appetite. Eating slowly, not gulping foods, and beginning meals

with fruit juice, which is rapidly digested and absorbed, should help. Drinking water before meals and eating low-calorie salads to begin meals will fill the stomach and help "turn off" the appetite.

Persons who feel that being slim is cosmetically essential should be extremely careful.

Persons who feel that being slim is cosmetically essential should be extremely careful. If they get little or no exercise, their caloric intake may have to be kept so low for them to remain slim that they become chronically malnourished. A vigorous exercise program not only keeps people feeling fit and firm, but it also allows them to eat enough to maintain basic nutritional requirements.

A vigorous exercise program also allows people to eat enough to maintain basic nutritional requirements.

Women past age 45 should always remember to maintain adequate calcium intake while dieting. Skim milk is a good source.

With spring in bloom and swimming just around the corner, it's a good time to shed those extra pounds. Good luck!

Four promoted at Y-12 Plant

Four promotions have been announced in Y-12. Jerry M. Brown has been named a production scheduling analyst in Industrial Engineering; Steven L. Evans a supervisor in Beta 2-E Dispatching; Kenneth R. Granger a supervisor in Certification Audits and Assembly; and Jerry L. Peddicord has been promoted to a machining supervisor in the Fabrication Division.

Brown, a native of Knoxville, holds a BS degree from Cumberland College. He taught school in Anderson County before joining Union Carbide in 1970.

Mrs. Brown is the former Ann Walker and the couple lives on Mountain Road in Clinton. They have two daughters.

Evans was born in Oak Ridge and attended the University of Tennessee before joining Y-12 in 1977. He worked with Westinghouse Electric Corporation prior to that time.

He is in the U.S. Army Reserve and lives on the Old Harriman Highway, Oliver Springs. His wife is the former Lou Hopper and they have three children.

Granger was born in Port Arthur, Tex., and joined Union Carbide in 1969 after working with the Roane County Highway Department.

He served in the U.S. Air Force for three years. His wife is the former



Brown



Evans



Granger



Peddicord

Carolyn Collier and they live at Route 4, Kingston. They have a daughter.

Peddicord is a native of Harriman. He attended East Tennessee State University before joining Union Carbide in 1968.

Mrs. Peddicord is the former Barbara Armes, and they live at Route 1, Wartburg, with their son.

Safety Scoreboard

Time worked without a lost-time accident through April 7:

Y-12 Plant.....	81 Days	2,765,000 Employee-Hours
ORGDP	55 Days	1,354,000 Employee-Hours
ORNL	697 Days	16,302,419 Employee-Hours
Paducah.....	617 Days	5,383,000 Employee-Hours



BUSINESS ENGLISH COURSE GRADUATES — Word processing personnel, secretaries and accountants from ORGDP and the Y-12 Plant were among those who recently completed a six-week Gregg Business English Refresher course. According to Instructor Rachel R. Smith, the principles of style, grammar, usage and format were covered in the course, along with common problems that are likely to be encountered when participants write, transcribe or type. Participants in the course are seated, from left: Nancy Walburg, ORGDP; Nancy Carroll, Kim Jeffers and Shannon Cage, Y-12; standing, from left: Kathy Edmonds, Betty Salada, Jackie Hair, Virginia Williams, Margaret Kirby, Carol Kendrick, Joyce Ingram, Ladonna Northern, Lillian Walker and Smith, all of ORGDP.

Anniversaries

Y-12

35 YEARS

Jack L. Finchum, Utilities Administration.

30 YEARS

William B. Crowder, E-Wing Casting; Dennis L. Moore, Electrical and Electronics; Jo B. Isham, Superintendents Division; Glendon T. Miller, Process Maintenance; and Spurgeon H. Guy, Dispatching.

25 YEARS

Betty S. Martin.

20 YEARS

Edward L. Cardwell and Charles R. Riggs.

ORNL

35 YEARS

Edward R. Johns, Fuel Recycle; Amos H. Marshall, Analytical Chemistry; and Arnold L. Harrod, Analytical Chemistry.

30 YEARS

Carl L. Fox, Plant and Equipment; Frank V. Hensley, Plant and Equipment; George T. Chapman, Engineering Physics; Glynn E. Angel, Metals and Ceramics; James T. Blackmon Jr., Industrial Safety and Applied Health Physics; Robert D. Parten, Industrial Safety and Applied Health Physics; and Joseph P. Rudd, Fusion Energy.

25 YEARS

James R. Distefano.

20 YEARS

Clyde Thomas, Perl R. Long, James E. Heath Jr., L. C. Manley Jr., and Larry G. Hodge.

ORGDP

35 YEARS

T. L. Curnett Jr., Operations.

30 YEARS

Clarence C. Dawn, Maintenance; James D. Fletcher, Technical Services; Billy M. Heidel, Separation Systems; Paul L. Hicks, Computer Sciences; Rose M. Judd, Purchasing; Ralph G. Knight Jr., Atomic Isotope Separations; James P. Lawless Jr., Engineering; Lewis D. Mathis, Separation Systems; Walter B. Rainey, Maintenance; and Emily C. Stone, Purchasing.

25 YEARS

Donald R. Kelsheimer, James D. Luigs, Thomas E. McCauley, Kathleen W. Miller, John G. Million and Carl D. Zehner.

20 YEARS

John R. Fisher, Charles C. Fritts, Wilbern E. Hale and Floyd Hipshire Jr.

PADUCAH

30 YEARS

William E. Adams, Process Maintenance; James T. Jones, Billy C. Prince, both in the Mechanical Shop; Herbert W. Handley, Fabrication Shop; Robert E. Lents, Mechanical Shop; Thurman L. Vinson, Fabrication Shop; Billy S. Feezor, Plant Services; James A. Galloway, Fabrication Shop; James V. Mitchell, Compress Shop; and Lucian C. Turk, Fabrication Shop.

25 YEARS

John S. Thurman.



ACADEMIC GIFTS — Clayton D. Zerby, right, Paducah Plant manager, recently presented a total of \$4,600 to the University of Kentucky College of Engineering and three affiliated student organizations on behalf of the Nuclear Division. Accepting a gift of \$4,000 is Roger Eichorn, dean of the University's college of engineering. Gifts of \$200 each were presented to student chapters of the American Society of Mechanical Engineers, the Society of Women Engineers and the American Institute of Chemical Engineers.

Heads Y-12 Computer Services



Denton

Lynn F. Denton has been appointed manager of Computer Services at the Y-12 Plant.

Denton, a native of Clinton, received his bachelor's degree in accounting from Carson-Newman College and has done graduate work at the University of Tennessee.

He joined the Nuclear Division in 1966. Denton was head of the Human Resource Systems Department from 1978 to 1979 and, since 1980, had served as manager of Computer Services at ORGDP.

Denton and his wife, Lyndsey, have two children. They live in South Clinton.

Nodine promoted at ORGDP

Robert N. Nodine, a science technologist in the Separation Systems Division at ORGDP, has been promoted to staff engineer.

A native of Tryon, N.C., Nodine attended North Carolina State University. Since joining the Nuclear Division in 1977, he has been involved in the development and testing of centrifuge instrumentation and controls.

Nodine and his wife, Cindy, live in West Knoxville with their three children.



Nodine

Surplus sale announced at Paducah

The Paducah Plant is offering, under formal sealed bidding, the following used government property: 11 Chevrolet pickups, 1 Dodge panel, 2 Chevrolet vans, 2 Ford pickups, 3 Dodge pickups, 1 AMC sedan, 1 Malibu station wagon, 5 trucks, 10 electric typewriters, 6 drums of salvaged tools, 2 milling machines, var-

ious electric welders, pipe fittings and other miscellaneous material and equipment.

Sealed bids will be accepted until 12:15 p.m., April 23, 1982. Additional information and bid documents can be obtained from Purchasing, C-720, bell 282, pax 686.

UNION
CARBIDE

Nuclear Division News

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NUCLEAR DIVISION
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Cindy Ross Lundy, 574-4163

ORGDP

Ruby A. Miller, 574-8092

PADUCAH

Darlene M. Mazzone, Bell 208



Shelby D. Isbell, Fabrication and Maintenance Division, Paducah.

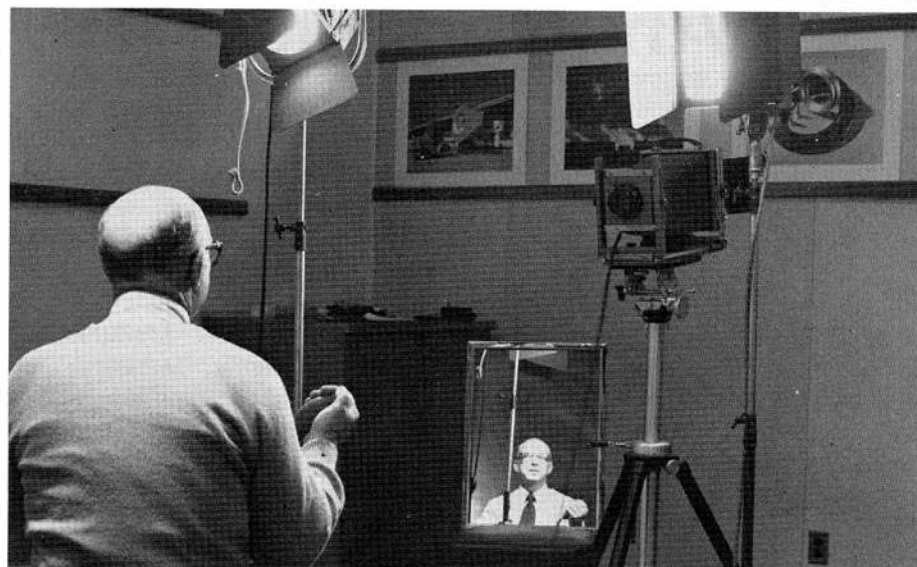


INTERNATIONAL ASSOCIATION
OF BUSINESS COMMUNICATORS

Recent Retirements



William C. Johnson
Buildings, Grounds and Maintenance
Y-12
30 years service



Retirement portraits were routine for Paducah photographer J. B. McGinnis. By his own estimation, he took more than 63,000 individual photographs through his 30 years of Union Carbide service. He began recording the plant's history on film at the very beginning of the ground-breaking in 1951.

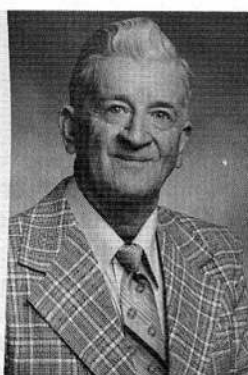
But what do you do when it's time for your own retirement? McGinnis met the challenge by taking his own photograph. Then to compound the procedure, he photographed himself taking his own photograph!



J. B. McGinnis
Photographer
Paducah
30 years service



William E. Thomas
Research Services
Y-12
28 years service



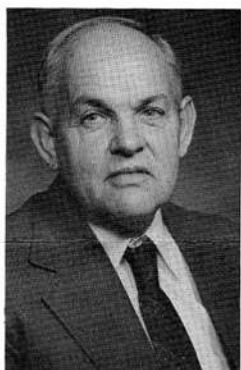
John H. McNelley
Dispatching
Y-12
29 years service



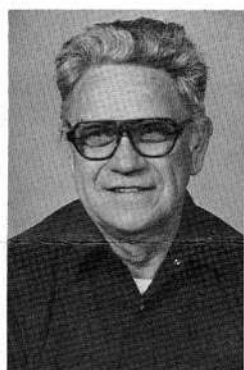
Ward E. Wampler Jr.
Alpha 5 West Shop
Y-12
30 years service



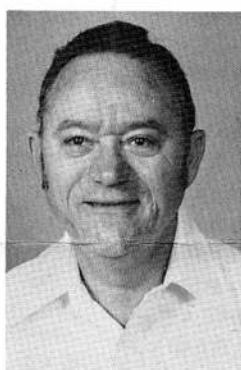
Frances B. Donahue
Superintendents
Y-12
36 years service



E. Allen Donahue
Dispatching
Y-12
35 years service



Warren R. Bradshaw
Maintenance
ORGDP
36 years service



John B. Cox
Maintenance
ORGDP
17 years service



Karl O. Johnson Jr.
Information
ORNL
38 years service



Frank S. Brinkley
Environmental Sciences
ORNL
36 years service



David C. White
Instrumentation and Controls
ORNL
19 years service



Mary F. Burns
Production Scheduling
Y-12
14 years



Joe Bridges
Chemical Services
Y-12
31 years service



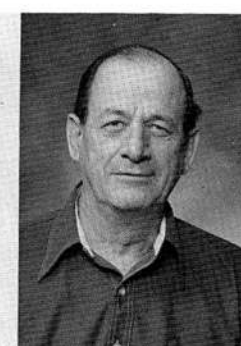
Arthur C. Nelley
Development
Y-12
27 years service



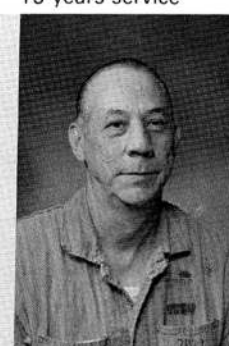
Katherine O. Steed
Superintendents
Y-12
30 years service



George H. Caylor
Special Services
Y-12
30 years service



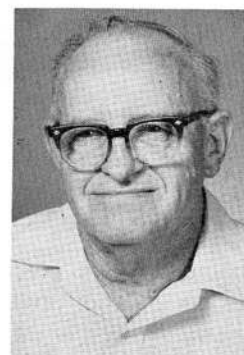
John L. Howard Jr.
E-Wing Casting
Y-12
37 years service



Paul E. Kesterson
Materials Shop
Y-12
23 years service



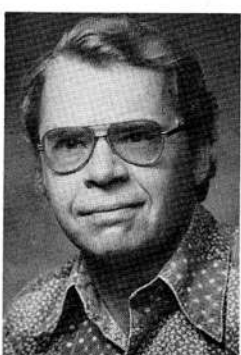
Georgia C. Bower
Engineering Technology
ORNL
26 years service



Earl A. Tweed
Barrier Manufacturing
ORGDP
28 years service



Robert B. Waters
Chemical Technology
ORNL
36 years service



Robin A. Wallace
Biology
ORNL
18 years service



Ershel M. Keller
Plant and Equipment
ORNL
19 years service



Clifford M. Simcox
Process Maintenance
Y-12
37 years service



Milus R. Skidmore
Operations
ORNL
38 years service

Question Box

What is purpose of Form 1099 R?

QUESTION: I received a Form 1099 R, a statement for recipients of total distribution from retirement and individual retirement arrangements. Could you please explain what this means and what is its relevance?

ANSWER: Form 1099 R is an Internal Revenue form issued by Manufacturer's Hanover Trust Company, trustee of Union Carbide Corporation's Savings Plan, to employees who receive a taxable distribution of \$600 or more from the Savings Plan. It is your copy of information provided to the Internal Revenue Service. It shows the taxable income portion of the Savings Plan distribution which you should report as income for income tax purposes.

The 1099 R form is issued to employees who receive a payment from the General Savings Plan and to those who retire or terminate their employment and receive settlement of their Savings Plan account.

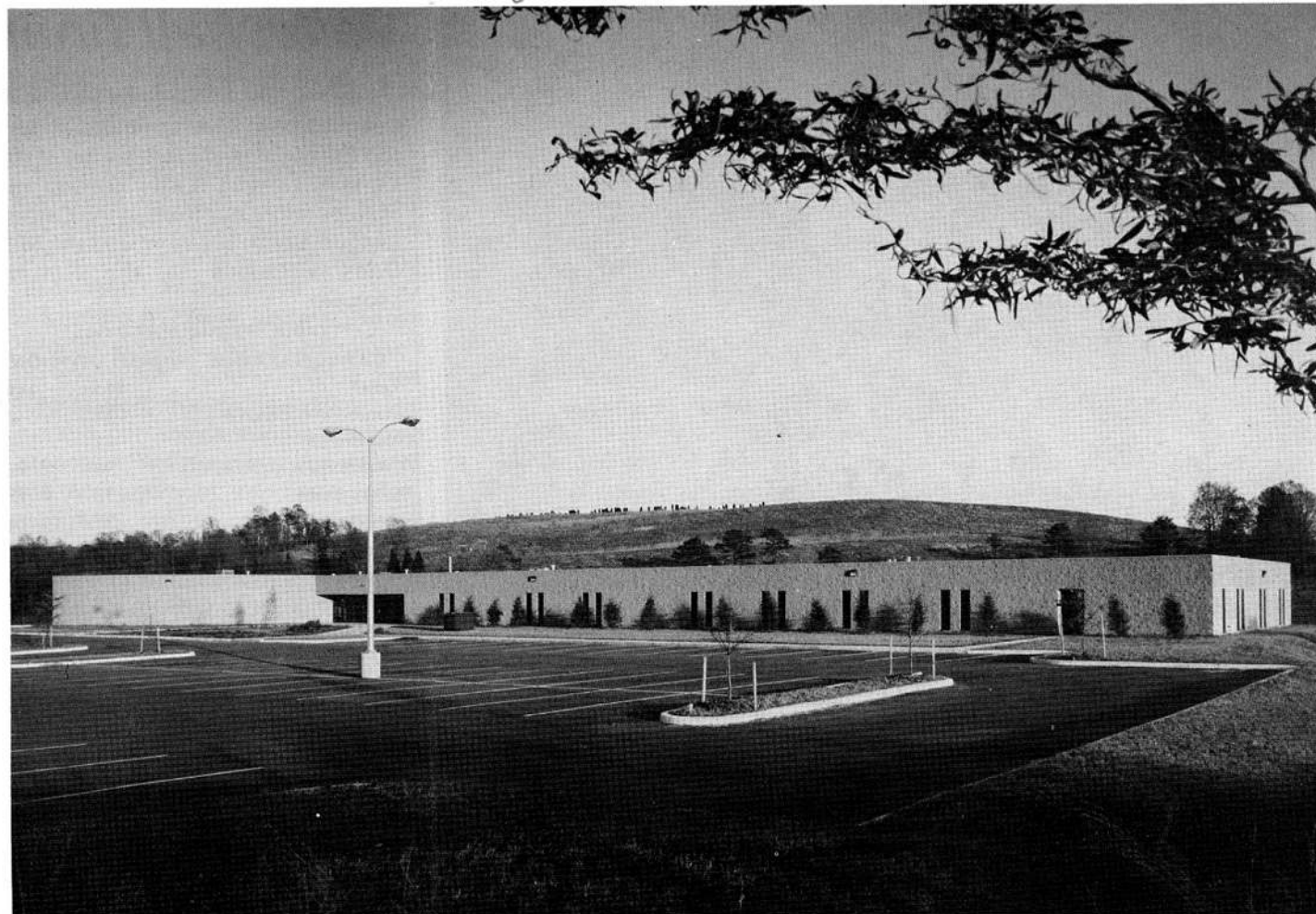
Why stay in Plan?

QUESTION: I understand that there are still some employees who participate in the Contributory Retirement Plan. If the Company payments under this plan are offset against the Pension Plan, why do some employees still stay in the Contributory Plan?

ANSWER: Over the years more and more employees have decided that it is not to their advantage to continue participation in the Contributory Retirement Plan. In our own Division we have gone from a peak of 7,463 participants in 1960 to about 2,295 in 1970, to 1,237 in 1975, and to 216 in 1980. As of February 1, 1982, the number of participants had dropped to 110.

In the early days the Contributory Retirement Plan included options that were not available under the Pension Plan. At the present time, however, most of the former advantages of the Contributory Plan have been incorporated in the Pension Plan, although the "10-year-certain" feature and Contingent Annuitant Option of the Contributory Plan can provide payments to an individual not eligible for a survivor's benefit under the Pension Plan. On the other hand, being a participant in the Contributory Retirement Plan in some instances actually detracts from the overall return to an employee's spouse in the event of his/her death.

The pros and cons are too complicated to cover here. Each individual still in the Contributory Plan should discuss the matter with the Benefit Plans Office and make his/her own determination as to the best course of action.



BUILDING DEDICATED — The Fusion Engineering Building, recently constructed in the Oak Ridge Valley Industrial Park, was dedicated last week in ceremonies held in conjunction with the ORNL Fusion Energy Division's annual information meeting. The building houses DOE's Fusion Engineering Design Center, hosted by ORNL.

Fusion Engineering facility dedicated at park

Dedication ceremonies were held last week for the Fusion Engineering Building, recently constructed in the Oak Ridge Valley Industrial Park. The new facility houses the Fusion Engineering Design Center, a team of engineers and physicists involved in developing a design concept for the next major project in the U.S. fusion program.

The Design Center is hosted by ORNL.

About 350 persons attended the dedication, held at an evening reception in conjunction with the annual information meeting of the ORNL Fusion Energy Division. Following brief remarks by officials of ORNL, DOE-ORO, and Oak Ridge civic and industry spokesmen, the dedicatory address was given by John F. Clarke, newly appointed head of DOE's Office of Fusion Energy and a former director of the Fusion Energy Division.

The 22,400-square-foot office building, constructed and owned by MPM Development Corporation of Knoxville, is being leased by the Nuclear Division under a five-year contract. The building provides office space for more than 100 persons, seminar and conference room facilities, and word processing and computer facilities, including linkage to the National Magnetic Fusion Computer Center in Livermore, Calif. Design Center staff, formerly housed in a Fusion Energy Division building, began moving into the new building following its completion last fall.

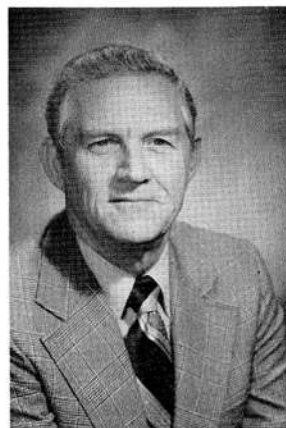
The Fusion Engineering Design center comprises about 45 engineers and physicists from industries and laboratories across the country, whose basic mission is to develop a design concept for the Fusion Engineering Device (FED), which would address engineering problems involved in the commercial production of fusion energy. ORNL was selected in 1978 as the host site for the center. Work on the FED program is conducted nationwide, with the Design Center as the focal point for the engineering design.

In addition to ORNL's function as Design Center host, General Electric

Company, Grumman Aerospace Corporation and McDonnell Douglas Astronautics Company have been awarded contracts to provide the majority of the design support. The staff also includes representatives from Princeton University's Plasma Physics Laboratory; Argonne National Laboratory; the Bechtel Group, Inc.; Burns & Roe, Inc.; General Atomic Company; Westinghouse Electric Corporation; Massachusetts Institute of Technology; the University of Michigan; the University of Tennessee; and the Japanese Atomic Energy Research Institute.

News About People

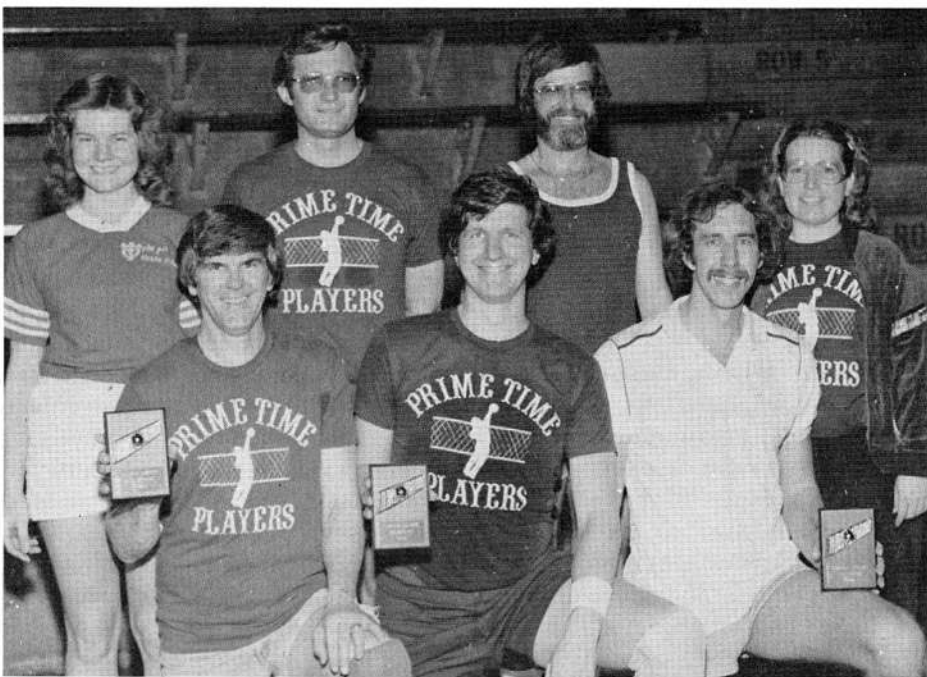
Paul James, Paducah, takes IEEE honors



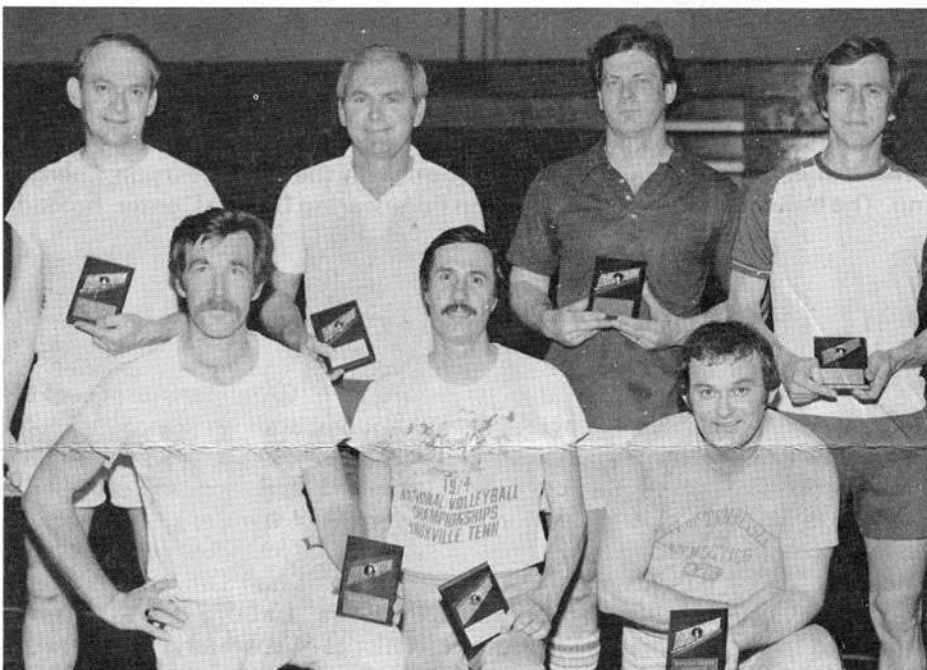
James

R. Paul James Jr., superintendent of the Electrical and Instrument Engineering Department at Paducah, has been named the electrical engineer of the year by the Paducah Subsection of the Institute of Electrical and Electronic Engineers. The award is presented annually in recognition of a member's participation in activities and their contributions to the engineering profession.

James has been a member of IEEE since 1948 and has held posts of secretary-treasurer and vice-chairman of the local society.



WINNING PLAYERS — Volleyballers in the Carbon League-North Division who took the crown are the Prime Time Players. From left, front row, are Arvin Quist, Doug Turner and David Heuser. In the back row are Ann L. Huedepohl, Randy Stewart, Allen Henegar and Melody Turner.



NUCLEAR LEAGUE VICTORS — The Milk Duds took the title in the Nuclear League of the volleyball crowd recently. In the front row, from left, are Mark H. Albert, Fred Wetzel and Johnny Purnell. In the back row are Trig Myhre, Bob Seyfried, Joe Passmore and Wes Hightower.



MIGHTY MANIPULATORS — Action in the Carbon League-South Division were the Manipulators, winning 44 and losing only 4. In the front row are Ed Long, Richard Scott and Randy Hellwig. In the back row are Carol Hellwig, Don Johnson, Carol Scott and Jim McCall.

Volleyball final standings...

Final results in the three Volleyball Leagues have been announced, with the Prime Time Players on top of the Carbon League-North crowd; the Manipulators out front in the Carbon League-South Division; and the Milk Duds victorious in the Nuclear League.

Complete league standings:

CARBON LEAGUE - NORTH DIVISION

Team	Won	Lost
Prime Time Players	42	3
Net Profits	41	4
Environmental Disasters	34	11
Lucky Spikes	33	12
Condensed Matter	31	14
Beech - Nuts	23	22
Med Flies	22	23
Zoo Crew	22	23
Killer Bees	20	25
P.O.I.	18	27
Absolute Zeros	18	27
Solid Gold	15	30
Carriers	14	31
Nasties	9	36
Otto	8	37

CARBON LEAGUE - SOUTH DIVISION

Team	Won	Lost
Manipulators	44	4
Mug Huggers	37	11
Chemical Operations	36	12
Possum Watchers	36	12
W.G.A.S.	34	14
Fightin' Possums	32	16
Streakers	26	22
U.S.A.	26	22
Skunks	25	23
Short Circuits	24	24
Evil Spirits	20	28
Super Suds	17	31
Volunteers	17	31
Odds & Ends	12	36
Lemmings	10	38
Mustangs	6	42

NUCLEAR LEAGUE

Team	Won	Lost
Milk Duds	39	6
Con-Fusion	33	12
Dirty Half Dozen	26	19
Artie's Army	18	27
B. C. Spikers	17	28

Bowling alley notes...

Y-12 Classic...

The Atta-Boys took charge in the Y-12 Classic League, outpacing the Pendulums, who are tied with the Cubs for second place. Dave Harvey rolled weekly highs recently, posting a 671 handicap series. Ernie Lamb's single of 270 was closely followed by Richard Sampson's 267. The Eightballs posted a 3035 handicap series.

ORGDP Women's...

The Mousechasers lead the ORGDP Women's League, a squeak ahead of the Chocolate Chips. Sue Davis rolled a 210 single and a 564 series...all scratch. Robert Kirkpatrick posted a 243 handicap single and Jackie Hinton a 659 handicap series. The Pickups recently took single highs...859 handicap; while the Chocolate Chips put a 2488 handicap series up in lights.

UCC Mixed...

It looked like pick-up-splits night in the UCC Mixed League recently, as Winnie Woody and Randall Wood both got the 6-7-10 split. Allyn Zerby rolled a high single of 237/262, and Jim Brewer took a 579/705 series for men's highs. On the women's side, it was Kathy Harvey with a 222/245 single and a 561 scratch series. Terry Clift and Ellen Queener posted a 658 handicap series.

Wednesday League...

The Hit Men still lead the Carbide Wednesday League keggers, two points ahead of the Operators. Charlie Heth, Amps, rolled a 292 game, 735 series. Other high singles were posted by Phil Manos, 274; and Chuck McCluskey, 270. The Operators' 3249 series still stands as high for team events.

A League...

The Dynamics, thanks to a 3183 series, took charge of the ORNL A bowling set recently, standing 11 points ahead of the Half Frames. Alvin Boatwright rolled a 633, 705 series, and Wayne Paul posted a single of 255-279 to outshine the other alley-men.

K-25 Tuesday...

The All Stars still lead the K-25 Tuesday League, just in front of the Mishaps. C. E. Pride led scratch bowlers recently with a 220 game, as H. L. Floyd rolled a 248 handicap single. The series highs belonged to B. G. Human, 590 scratch; and M. E. Mitchell, 664 handicap.

Monday Mixed...

The Pacesetters lead the pack in the UCC Monday Mixed League, with the Go-Getters and Lucky Strikes close behind. Cheryl Womack rolled a women's season-high 627 scratch series; and M. Johnson holds the high handicap series with 698. In men's bowling, C. Moore leads with a 643 scratch series, and J. Carr holds a 701 handicap high.

ORGDP Spring Dance

On April 24, ORGDP employees, retirees and their guests will be enjoying the view of the 1982 World's Fair site from Club LeConte, which is located on top of the United American Bank Plaza in Knoxville.

Tickets cost \$15 per person and are available from all ORGDP Division offices. For additional information, phone Janie Rice at 4-8981, or Bruce Vaughn at 4-9009.

Division secretaries continue educations to 'stay ahead'

The following article, presented as part of the observance of Professional Secretaries Week (April 18-24), illustrates how Nuclear Division secretaries are continuing their educations to keep abreast of new methods and technologies in a changing field. The secretaries featured are involved in several educational programs, including in-house courses, on-the-job training, the Certified Professional Secretary (CPS) review course and the pursuit of a college degree.

'The EXCEL program, for example, helped me to better understand the needs of management personnel.'

Jenny W. Williams, secretary in the combined operations analysis department at ORGDP, has taken advantage of many of the Corporation's in-house training programs, including EXCEL, the Gregg Business English Refresher Seminar and the Clerical Employee Refresher Course. "These courses have helped me to better assist my supervisors, as well as allowing me to learn and grow," Williams said. "The EXCEL program, for example, helped me to better understand the needs of management personnel, and the Gregg English Course was beneficial because my job involves processing numerous reports. The course manual presents the current rules of grammar and is extremely helpful, since many of the rules have changed in recent years."

Her supervisor, **Andy de la Garza**, added that the training programs have allowed Williams to be more

helpful to the department staff. "She can keep up with changes taking place in office work and better herself at the same time. This way, we all benefit," he explained.

Barbara R. White, secretary to the director at ORNL, has been involved in on-the-job training with a new information processing system. The system, currently a stand-alone word processor, will soon be connected to the Management Information System (MIS), an interactive system of computer programs developed to provide pertinent information on purchases, subcontracts, budget submissions, planning processes and personnel. Advantages provided by the word processor include the ability to compose and edit text and to develop individualized material by reusing stored information. A two-day training course on the use of the system is available from the vendor, but, according to White, the system is so versatile that "the learning process is continuous and the possibilities for application are virtually endless."

'I believe a person must stay abreast of changing trends to maintain efficiency in any job.'

Among the Nuclear Division secretaries pursuing the CPS rating is **Sheila C. Rowan** of Y-12's product engineering department. Upon attainment of the rating, she will be eligible to receive 32 credit hours from the University of Tennessee or Roane State Community College. The CPS review courses are covered under the Corporation's Educational Assistance Program. Rowan said she is continuing her studies mainly for personal growth. "Knowledge,

whether it is gained by strengthening skills used on the job or by studying something unrelated to the job, heightens awareness, and this helps maintain a high level of performance," she said.

William H. Thompson Jr., her supervisor, said he supports Rowan's efforts to pursue her CPS. "I think additional course work invariably has peripheral benefits," he explained. "Most of the types of things that I see secretaries pursuing will benefit their abilities to organize and plan and to handle administrative management tasks associated with their jobs. I also think that the discipline involved in taking courses is a beneficial attribute in itself," Thompson added.

Nadie C. Vance, Paducah Techni-

cal Services Division, is taking advantage of the Corporation's Educational Assistance Program by studying at Paducah Community College, where she will receive the AS in business administration this semester. "I believe a person must stay abreast of changing trends in order to maintain efficiency in any job," Vance explained. "The computer language and data processing courses I completed have helped me adapt to electronic typewriters and to interface with the plant's word processing center. Since today's secretary is part of the management team, it also is important to keep in touch with changing management philosophies and ideas. I am accomplishing these and other objectives through my college work," she said.



Sheila C. Rowan



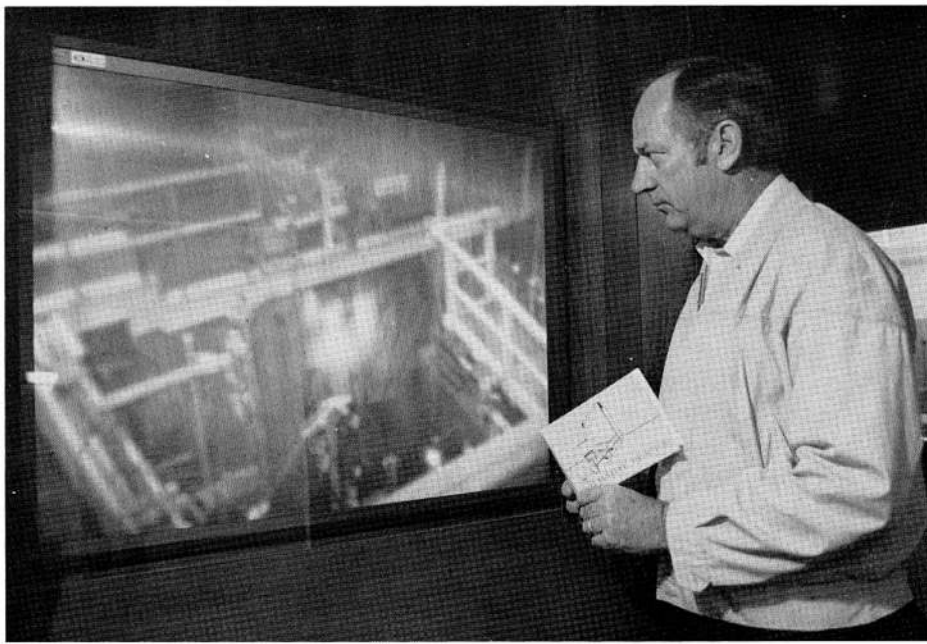
Nadie C. Vance



Barbara R. White



Jenny W. Williams



NEW GRAPHITE REACTOR FEATURE — A new wide-screen color television in the Graphite Reactor broadcasts a live picture from the nearby Bulk Shielding Reactor, allowing visitors to observe the operation of a modern research reactor. (See related story and photo on page 1.)

New MBA cycle set for fall

A new cycle of the part-time, evening MBA program begins this fall in Oak Ridge. It is designed to prepare persons to assume executive, managerial and professional positions and is tailored to meet the needs of full-time employees.

An information meeting on the program is set for Wednesday, April 28, at 6 p.m. at the ORAU-based office, 246 Laboratory Road. Dean Roger Jenkins, College of Business Administration, and Dudley Dewhirst, head of UT's Management Department, will give overviews of the program.

Applications will soon be accepted and a select group will be admitted. Please call the Graduate School's office, 576-3429, if you plan to attend the information meeting. Additional questions may be answered by Vernoica Maya, assistant director, at the same extension.

Next issue...

The next issue will be dated **April 29. The deadline is April 14.**

Save Energy / Share The Ride

ORNL

RIDE NEEDED from Oak Ridge Highway between Karns and Solway to East Portal, 8:15-4:45. Peterson, plant phone 4-4483; home phone 690-3989.

VAN POOL RIDERS NEEDED from Sutherland Avenue and Papermill Drive area, to ORNL, 8:15-4:45. D. P. Atkins, plant phone 4-5463; home phone 584-3766.

Y-12

JOIN CAR POOL from Lovell Woods, Twin Springs area, to West Portal, 8-4:30. Gene Bird, plant phone 4-9941; home phone Knoxville 966-5659.

CAR POOL RIDER from Cedar Bluff Road to Bear Creek or Pine Ridge Portal, 8-4:30. Gary Russell, plant phone 4-3658; home phone Knoxville 691-3475.

RIDE or WILL JOIN CAR POOL from East Kingston to East Portal, 8-4:30. Howard L. Horne, plant phone 4-0480; home phone Kingston 376-7960.

RIDERS NEEDED or WILL JOIN CAR POOL from Corryton/Emory Road/Clinton Highway/Claxton to West Portal, 8-4:30. Phil Knisley, plant phone 4-1627; home phone Knoxville 689-2498.

NEED FOURTH DRIVER for CAR POOL from Farragut to Biology or North Portal, 8-4:30. Kirkpatrick, extension 4-3924; McBay, 4-2456; or Porras, 4-3169.



"Quality assurance is the difference between winning and losing."
(Submitted by Donald B. Elkins, ORGDP.)

Shannon named to head Fusion Engineering Design Center

The appointment of Thomas E. Shannon as manager of DOE's Fusion Engineering Design Center, hosted by ORNL, has been announced by Murray W. Rosenthal, ORNL Associate Director for Advanced Energy Systems.

The Design Center comprises about 45 engineers and physicists from industries and laboratories across the country whose basic mission is to develop a design concept for the Fusion Engineering Device (FED). Planned as the next major project in the U.S. fusion program, the FED would address engineering problems involved in the commercial production of fusion energy. ORNL was selected in 1978 as the host site for the center.

A member of the Nuclear Division's Engineering Division staff, Shannon has worked with ORNL's fusion program since 1975 and was involved with the formation of the Design Center, serving most recently as its manager of systems engineering. As Design Center manager he succeeds Don Steiner, formerly of ORNL's Fusion Energy Division, who has accepted a position with Rensselaer Polytechnic Institute, Troy, N.Y.



Shannon

Shannon holds BS and MS degrees in engineering from Ohio University. He was a mechanical design engineer with Pratt and Whitney Aircraft before joining Union Carbide in 1969 at the ORGDP, where he was manager of the mechanical engineering department for the Gas Centrifuge Development Program. He is a member of the American Society of Mechanical Engineers, the National Society for Professional Engineers and the American Nuclear Society.

He and his wife, Pat, have four children. The family lives at 2029 Grandada Blvd., Knoxville.

Named material specialist at ORGDP

Willard C. Brock Sr. has been promoted to a materials specialist in the Finance, Materials, and Services Division at ORGDP.

Brock, a native of Clinton, graduated from Knoxville Business College and attended the University of Tennessee.

Brock, who joined the Nuclear Division in 1952, previously served as supervisor of the ORGDP mail department and assistant chief timekeeper at ORGDP. His most recent position was as chief stores requisitioner.

He and his wife, Okle, have three grown children. They live in Tacora Hills, Route 3, Clinton.



Brock



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